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**REVOCATION OF POWER OF
ATTORNEY WITH
NEW POWER OF ATTORNEY
AND
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	101653,995
Filing Date	September 4, 2003
First Named Inventor	Yongsheng Zhao
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	71442.0038

I hereby revoke all previous powers of attorney given in the above-identified application. A Power of Attorney is submitted herewith.**OR** I hereby appoint the practitioners associated with the Customer Number:

35161

 Please change the correspondence address for the above-identified application to: The address associated with
Customer Number:

35161

OR Firm or
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

 Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Name	Gordon Liu		
Signature			
Date	10/8/03	Telephone	510-390-0287

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

 *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

JAN 28 2004

PTO/SB/96 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Lumei Optoelectronics Corporation

Application No./Patent No.: 10/653,995 Filed/Issue Date: Sept. 4, 2003

Entitled: HIGH POWER, HIGH LUMINOUS FLUX LIGHT EMITTING DIODE AND METHOD OF MAKING SAME

Lumei Optoelectronics, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or

2. an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. [] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. [✓] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: AXT, Inc. To: Lumei Optoelectronics

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: Zhao, Yongsheng, et al. To: AXT, Inc.

The document was recorded in the United States Patent and Trademark Office at Reel 012944, Frame 0512, or for which a copy thereof is attached.

3. From: To:

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

[✓] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Jan. 28, 2004

Robert Julian May P-55,437

Date

Typed or printed name

(202) 659-6941

Telephone number

Signature

Title

PATENT AGENT

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEE TRANSMITTAL

for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)320.00

Complete if Known

Application Number	<u>OIPE</u>
Filing Date	<u>JAN 28 2004</u>
First Named Inventor	
Examiner Name	
Art Unit	
Attorney Docket No.	<u>71442.DD</u>

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

Deposit Account:

04-1061DICKINSON WRIGHT PLLC

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
- Charge any additional fee(s) or any underpayment of fee(s)
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee			
1002 340	2002 170	Design filing fee			
1003 530	2003 265	Plant filing fee			
1004 770	2004 385	Reissue filing fee			
1005 160	2005 80	Provisional filing fee			
SUBTOTAL (1) (\$)					

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
			-20** =	X	=
			- 3** =	X	=

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)		

*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify) _____			
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3) (\$)		<u>320.00</u>	

(Complete if applicable)

Name (Print/Type)	<u>Jean C. Edwards</u>	Registration No. (Attorney/Agent)	<u>44,728</u>	Telephone <u>202/659-6942</u>
Signature	<u>Jean C. Edwards</u>			
Date	<u>October 14, 2003</u>			

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application....Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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SCHEDULE A

Patent Application

<u>Serial No.</u>	<u>Patent Application No.</u>	<u>Title of Application</u>
U.S. Patent Application No. 09/626,442	6,495,867	InGaN/AlGaN/GaN Multilayer Buffer for Growth of GaN On Sapphire
U.S. Patent Application No. 10/191,886		InGaN/AlGaN/GaN Multilayer Buffer for Growth of GaN On Sapphire
U.S. Patent Application No. 09/626,444		Transparent Substrate Light Emitting Diode
U.S. Patent Application No. 09/626,445	6,420,736	Window For Gallium Nitride Light Emitting Diode
U.S Patent Application No. 10/197,614		Window for GaN LED
U.S. Patent Application No. 10/113 ,487		Apparatus And Method For Improving Electrical Conduction Structure of A Vertical Cavity Surface Emitting Laser
U.S. Patent Application No. 10/147,078		Silicon Carbide Substrate LED
U.S. Patent Application No. 10/155,001 <small>DC 71442-1 88405</small>		High Power, High Luminous Flux Light Emitting Diode And Method of Making Same

PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT ("Assignment") is made and entered into as of this 27th day of September, 2003 ("Effective Date") by and between AXT, Inc., a Delaware corporation (hereinafter "Assignor"), and Lumei Optoelectronics Corp., a California corporation (hereinafter "Assignee").

WHEREAS, Assignor owns and holds all right, title and interest in, to and under the patents, provisional applications and patent applications (including originals, divisionals, continuations, continuations-in-part, extensions, reissues and reexams), set forth on Schedule A attached hereto and made a part hereof (hereinafter, the "Patents"); and

WHEREAS, Assignee desires to own Assignor's entire right, title and interest in, to and under the Patents and the inventions disclosed therein, in all countries throughout the world;

WHEREAS, Assignor and Assignee are parties to that certain Asset Purchase Agreement dated as of September 4, 2003 pursuant to which Assignee has purchased all right, title and interest in, to and under the Patents;

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt of which is hereby acknowledged;

Assignor hereby sells, assigns, transfers, and sets over to Assignee, Assignor's entire right, title and interest in, to and under the Patents, including all such Letters Patent of the United States that have been or shall be granted on any of the Patents, and all reissues, reexaminations and extensions thereof, all rights to claim priority on the basis of the Patents, and all corresponding foreign applications that have been or may be filed for the inventions and all foreign patents or similar legal protection that have been or may be granted or issued thereon, including all extensions, renewals and reissues thereof, the same to be held and enjoyed by Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letter Patent are or may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made, together with all claims for damages by reason of past infringement of the Patents, with the right to sue for such damages, and collect the same for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for the inventions disclosed in the Patents to Assignee, its successors and assigns, in accordance with the terms of this Assignment.

Assignor further agrees to execute and deliver any and all papers that may be necessary or desirable to perfect the title to said Patents in Assignee and to make a record with any and all government agencies, authorities, courts, tribunals or third parties of the fact that Assignee owns all right, title and interest in and to the Patents. If the Assignee is unable for any reason

whatsoever to secure the Assignor's signature to any document it is entitled to under this Assignment, Assignor hereby irrevocably designates and appoints the Assignor and its duly authorized officers and agents, as Assignee's agents and attorneys-in-fact with full power of substitution to act for and on his behalf and instead of Assignor, to execute and file any such papers and to do all other lawfully permitted acts to further the purposes of the foregoing with the same legal force and effect as if executed by Assignor.

This Assignment is assignable or transferable by Assignee without notice or consent of the Assignor.

If any provision of this Assignment shall be adjudged by any court of competent jurisdiction to be unenforceable or invalid, that provision shall be limited or eliminated to the minimum extent necessary so that this Assignment shall otherwise remain in full force and effect and enforceable.

This Assignment shall be deemed to have been made in, and shall be construed pursuant to the laws of the State of California and the United States without regard to conflicts of laws provisions thereof. Any waiver of or amendment to the terms of this Assignment shall be effective only if made in writing and signed by a representative of the respective parties authorized to bind the parties. This Assignment is made in accordance with and pursuant to the terms and conditions of the Asset Purchase Agreement between the Assignor and Assignee of even date herewith (the "Purchase Agreement"). Unless otherwise defined herein, capitalized terms used herein shall have the meaning given to such terms in the Purchase Agreement.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, Assignor has executed and delivered this instrument to Assignee effective the 25th day of September, 2003.

ASSIGNOR
AXT, INC.

By: Morris S. Young
Name: Morris S. Young
Title: President & CEO

ASSIGNEE
LUMEI OPTOELECTRONICS CORP.

By: Zhiyu Xiao
Name: Zhiyu Xiao
Title: CEO

ASSIGNOR: AXT, Inc.

By: Mr. Jeff Jones
Title: President & CEO

Today's
Date: _____

STATE OF CALIFORNIA)
) ss.
COUNTY OF)

On _____ before me, _____, Notary Public,
personally appeared _____, personally known or proved to me on
the basis of satisfactory evidence to be the person whose name is subscribed to the within
instrument and acknowledged to me that he/she executed the same in his/her authorized capacity
and that by his/her signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

Witness my hand and official seal.

Notary Public

Exhibit A-2
Issued and Pending Patents Breakout for Lumei

Serial No.	Patent No.	Matter	Assign to	Title	Comments
09/626,442	6,495,867	0006	Lumei	InGaN/AlGaN/GaN Multilayer Buffer For Growth Of GaN On Sapphire	A LED constructed of AlGaN/P compounds includes a multi layer window which improves the efficiency of the diode. The window, in the order of formation, includes a lightly doped first layer formed of p doped GaP; a low impedance second layer formed of p doped GaAs; an amorphous conducting layer formed of ITO, and a Ti?Au contact. In one embodiment, the contact forms ohmic connections with the second and third layers; and a Schottky diode connection with the first layer. In a second embodiment, the contact forms an ohmic connection with the third layer; and is insulated from direct contact with the first layer.
10/191,886		0035(0006)	Lumei	InGaN/AlGaN/GaN Multilayer Buffer For Growth Of GaN On Sapphire	
US 2002/0175337 A1					
Continuation of 6,495,867					
PCT/US01/23330		0007(0006)	Lumei	InGaN/AlGaN/GaN Multilayer Buffer For Growth Of GaN On Sapphire	
PCT/US01/ 23330		0046(0006)	Lumei	Improved Buffer For Growth Of GaN On Sapphire	Europe
PCT/US01/ 23330		0051(0006)	Lumei	Improved Buffer For Growth Of GaN On Sapphire	Canada
09/626,444	Allowed	0010	Lumei	Transparent Substrate Light Emitting Diode	7/16/03

			A GaN based LED comprises both a transparent substrate and a window for exiting light generated by the LED. Useful amounts of light may be utilized at the face of the window or at the face of the transparent substrate. An external optical reflector is formed directly on the external face of the LED which is not currently being used to exit useful light. If light from the window is being utilized, a DBR is formed directly on the backside of the substrate. However, if light through the substrate is being utilized, a DBR is formed directly on the light emitting portion of the window.	
PCT/US01/23347	0011(0010)	Lumei	Transparent Substrate Light Emitting Diode	
PCT/US01/ 23347	0050(0010)	Lumei	Transparent Substrate Light Emitting Diode	Canada
PCT/US01/ 23347	0052(0010)	Lumei	Transparent Substrate Light Emitting Diode	Europe
09/626,445	6,420,736	0012	Lumei Window For Gallium Nitride Light Emitting Diode	
			A window structure for a GaN-based LED includes a Mg ⁺ -doped p window layer of a GaN compound; a thin, semi-transparent metal contact layer; and an amorphous current spreading layer formed on the contact layer. The contact layer is formed of NiOx/Au and the current spreading layer is formed of ITO. The p electrode of the diode includes a Ti adhesion layer which forms an ohmic connection with the current spreading layer and a Schottky diode connection with the Mg ⁺ -doped window layer.	
10/197,614	0038(0012)	Lumei	Window for GaN LED	
US 2003/0010994 A1 Continuation of 6,420,736				
PCT/US01/23346	0013(0012)	Lumei	Window for GaN LED	
PCT/US01/ 23346	0048(0012)	Lumei	Window For GaN LED	Europe

PCT/US01/ 23346		0049(0012)	Lumei	Window For GaN LED	Canada
10/113,487	Response 8/27/03	0025	Lumei	Apparatus and Method for Improving Electrical Conduction Structure of a Vertical Cavity Surface Emitting Laser A heavily doped semiconductor layer is formed over the barrel of a vertical cavity surface emitting laser (VCSEL), providing current conduction and current spreading across and into the aperture of a laser barrel, while eliminating the need for a light-obstructing conductive electrical contact overhang. The VCSEL comprises a substrate, a firstDBR, and active region, a second DBR having a non-conductive ion implantation region and a laser barrel region with a first diameter, the heavily doped semiconductor layer, and a conductive electrical contact. The conductive electrical contact defines an opening with a second diameter that is greater than the first diameter.	
PCT/US03/09915		0054(0025)	Lumei	Same as 0025	
10/147,078		0026	Lumei	Silicon Carbide Substrate LED An LED is based on an undoped intrinsic SiC substrate on which are grown: an insulating buffer or nucleation structure; a light-emitting structure; window layers; a semitransparent conductive layer; a bond pad adhesion layer; a p-type electrode bond pad; and an n-type electrode bond pad. In one embodiment, the light-emitting surface of the substrate is roughened to maximize light emission.	
PCT of 0026		0056(0026)	Lumei	Silicon Carbide Substrate LED	
PCT/US01/50590		0059(0022)	Lumei	Improved Light Emitting Diode (Notch C2)	Malaysia
10/155,001	Allowed	0029	Lumei	High Power, High Luminous Flux Light Emitting Diode and Method of Making Same A high-power, high luminous flux LED comprises a substrate, a light-emitting structure, a first electrode and a second electrode. The LED has a top surface layout design in which the first electrode has a number of legs extending in one direction, and the second electrode has a number of	7/31/03

			legs extending in the opposite direction. At least portions of the legs of the first electrode are interspersed with and spaced apart from portions of the legs of the second electrode. This provides a configuration that enhances current spreading along the length of the legs of both electrodes.
PCT/US03/15603	0055(0029)	Lumei	High Power, High Luminous Flux Light Emitting Diode and Method of Making Same
Divisional of 10/155,0001 (no application number assigned)	0064(0029)	Lumei	High Power, High Luminous Flux Light Emitting Diode and Method of Making Same